

MD 27 IS ASSUMED TO RUN
IN A NORTH-SOUTH DIRECTION

PROPOSED LED SIGNALS

1,2,3,4 5,6,7,8
(Y) (R)
12" 12"

EXISTING SIGNS TO REMAIN

12,14
STOP

PROPOSED SIGNS

9 10
← Stone Chapel RD ← Warfieldsburg RD
Warfieldsburg RD → Stone Chapel RD →
D-3(2)
(VAR. x32")
DUAL FACED

11 13 15 16
SOUTH NORTH NORTH SOUTH
MARYLAND MARYLAND MARYLAND MARYLAND
27 27 27 27
SHIELD ASSEMBLY (24"x51") SHIELD ASSEMBLY (36"x75") SHIELD ASSEMBLY (24"x51") SHIELD ASSEMBLY (36"x75")

LINE HEIGHTS (LH) 1
COMMUNICATION 1 - 20'-6"
COMMUNICATION 2 - 20'-9"
COMMUNICATION 3 - 21'-0"
SECONDARY - 30'+
PRIMARY - 35'+

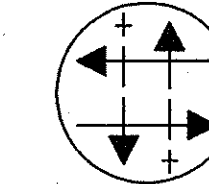
LINE HEIGHTS (LH) 2
COMMUNICATION 1 - 19'-2"
SECONDARY - 30'+
PRIMARY - 35'+

LINE HEIGHTS (LH) 3
COMMUNICATION 1 - 20'-2"
COMMUNICATION 2 - 20'-4"
COMMUNICATION 3 - 20'-5"

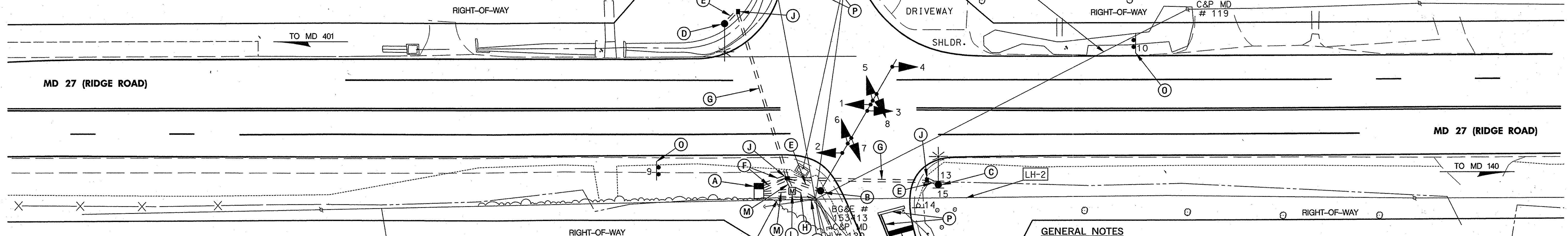
LINE HEIGHTS (LH) 4
COMMUNICATION 1 - 16'-8"
COMMUNICATION 2 - 19'-10"
SECONDARY - 30'+
PRIMARY - 35'+

LINE HEIGHTS (LH) 5
COMMUNICATION 1 - 20'-7"
COMMUNICATION 2 - 20'-9"

FLASHING
OPERATION



NOTE:
PHASES ASSOCIATED BY A DASHED LINE
MAY/WILL OPERATE CONCURRENTLY.
PHASES ASSOCIATED BY A SOLID LINE
WILL NOT OPERATE CONCURRENTLY.



CONSTRUCTION DETAILS

- INSTALL NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT (NOTE: 2-2 IN. AND 2-4 IN. SCH. 80 PVC BENDS).
- INSTALL 16.5 FT. STEEL POLE WITH A 15 FT. "T" DIMENSION WITH 60 FT. MAST ARM, FOUNDATION, TRAFFIC SIGNAL HEADS, AND SIGNS. (NOTE: 1-3 IN. SCH. 80 PVC BEND)
- INSTALL 30 FT. LIGHT STRUCTURE WITH 10 FT. BRACKET ARM, FOUNDATION, BREAKAWAY BASE SUPPORT SYSTEM, 200 WATT H.P.S. LUMINAIRE WITH HOUSE SIDE SHIELDING AND PHOTOCCELL, AND SIGNS (NOTE: 1-3 IN. SCH. 80 PVC BEND)
- INSTALL 30 FT. LIGHT STRUCTURE WITH 10 FT. BRACKET ARM, FOUNDATION, BREAKAWAY BASE SUPPORT SYSTEM, AND 200 WATT H.P.S. LUMINAIRE WITH HOUSE SIDE SHIELDING AND PHOTOCCELL (NOTE: 1-3 IN. SCH. 80 PVC BEND)
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (BORED).
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND ELECTRICAL SERVICE. THE CONTRACTOR SHALL CAP, MARK, AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- INSTALL ELECTRICAL HANDHOLE.
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED) FOR PROPOSED UNDERGROUND TELEPHONE SERVICE. THE CONTRACTOR SHALL CAP, MARK AND LEAVE A 1 FT. STUB WITH PULL STRING AT BASE OF UTILITY POLE FOR USE BY OTHERS.
- INSTALL METERED SERVICE PEDESTAL (NOTE: 2-2 IN. AND 1-4 IN. SCH. 80 PVC BENDS).
- INSTALL 2 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT (TRENCHED).
- INSTALL 24 IN. HEAT APPLIED WHITE PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKINGS FOR STOPLINE.
- INSTALL GROUND MOUNTED SIGNS ON TWO 4 IN. X 6 IN. WOOD SUPPORTS.
- REMOVE EXISTING PAVEMENT MARKINGS

GENERAL NOTES

- MAINTENANCE OF TRAFFIC WILL BE HANDLED BY THE CONTRACTOR UTILIZING MDSHA STANDARD PLATES FOR TRAFFIC CONTROL.
- THE CONTRACTOR SHALL VERIFY ALL PROPOSED POLE AND CABINET LOCATIONS PRIOR TO INSTALLATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ROUTING AND PROPERLY LABELING ALL SIGNAL CABLES. THE SHA SIGNAL SHOP WILL BE RESPONSIBLE FOR ALL INTERNAL CABINET WIRING.
- THE CONTRACTOR SHALL VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLING THE PROPOSED SIGNAL EQUIPMENT. THE CONTRACTOR SHALL CONTACT MISS UTILITY TO VERIFY ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION. IF ANY CONFLICTS SHALL ARISE THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER.
- ALL TRAFFIC SIGNAL FOUNDATIONS SHALL BE INSTALLED AT THE FINAL SIDEWALK OR CURB GRADE FOR CLOSED SECTIONS, HIGHEST ROADWAY PROFILE GRADE FOR OPEN SECTIONS, TO MEET CLEARANCES AS SPECIFIED IN MD 816.03, MD 818.01, MD 818.02, MD 818.04. THE CONTRACTOR SHALL VERIFY ULTIMATE GRADES PRIOR TO THE INSTALLATION OF ALL SIGNAL EQUIPMENT.
- WITHIN 36 IN. OF UNDERGROUND UTILITY LOCATIONS, THE CONTRACTOR SHALL BE REQUIRED TO EXCAVATE FOR FOUNDATION AND CONDUIT BY HAND.
- SEE GENERAL INFORMATION SHEET FOR PROPOSED SIGNAL POLE, TRAFFIC SIGNAL HEAD, AND OVERHEAD SIGN LAYOUTS.
- ALL PAVEMENT MARKINGS SHALL BE INSTALLED IN ACCORDANCE WITH MDSHA STANDARDS.

SHA

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 27 (RIDGE ROAD) at
STONE CHAPEL ROAD/WARFIELDSBURG ROAD

TRAFFIC SIGNALIZATION PLAN

SCALE 1" = 20' DATE 03/2007 CONTRACT NO. AX1425185

DESIGNED BY MCG COUNTY CARROLL
DRAWN BY CCW LOGMILE 06002714.52
CHECKED BY BAB T.I.M.S. NO. 1071
F.A.P. NO. TOD NO.

DRAWING NO. TS-4570 OF SHEET NO. 1 OF 2

UTILITY LEGEND

E — E — ELECTRIC CABLES SD — SD — STORM DRAIN
A — A — AERIAL CABLES G — G — GAS MAIN
T — T — TELEPHONE CABLES W — W — WATER MAIN
F — F — FIBER-OPTIC S — S — SEWER MAIN

1 REDLINE REVISION 06/03/2008

Redline
REDO APPROVAL

APPROVALS
TEAM LEADER
ASST. DIV. CHIEF
DIVISION CHIEF
OFFICE DIRECTOR

REVISIONS

PLOTTED: Tuesday, June 03, 2008 at 10:58 AM
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